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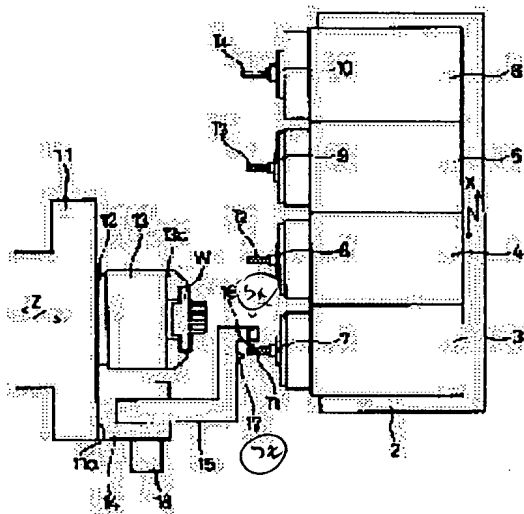
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## (54) TIP POSITION CORRECTION DEVICE OF ROTATING TOOL

(57)Abstract:

**PURPOSE:** To make a cut and machined surface precise by carrying out automatic correction by detecting a knife edge position including deflection of a rotating tool.

**CONSTITUTION:** A measuring arm 15 having an X-axis sensor 16 and a Z-axis sensor 17 on a work spindle stock is provided on a stand-by position and a measuring position free to divide on a machine tool placing spindle heads 3-5 having end mills T1-T3 and a spindle head 6 having a bar grinding stone T4 in parallel on an upper trestle 2 free to move in the X axial direction and having a spindle 12 for a work axially supported on the work spindle stock 11 free to move in the Z axial direction free to revolve and divide. Respective correction values are found by detecting a knife edge position including deflection of the end mills T1-T3 by the X-axis sensor 16, and respective Z-axis correction values are found by the Z-axis sensor 17 in the same way and memorized, and at the time of machining, correction is carried out against a program command value.



## LEGAL STATUS

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